Break-out Session 3: Integrated Labs

• Approach 1: Creating an Integrated Lab
  • Identify a point of integration
  • Find a great lab activity

• Approach 2: Adding points of integration to an existing lab exercise
  • Recognize a point of integration
  • Refine lab exercise
    • Ex: Synthesis of thought questions, changes to the procedure, additional background information
  • Don’t try to force points of integration.
Break-out Session 3: Integrated Labs

• Interdisciplinary Integration
  • Science 100
    • Synthesis of a Plant Auxin
      • Multi-week lab

• Properties of Light
  • One lab period

• Material integrated between labs and lectures
  • More easily identified over time as professors and lab coordinators collaborate at team meetings and new ideas emerge.
Break-out Session 3: Integrated Labs

• Integration within a discipline
  • UBC
    • Moving to an integrated 3rd year chemistry lab course combining analytical, physical, organic and inorganic labs
      • 2 labs per week, both terms

• Moving towards a shared instrumentation facility
  • Research, graduate students, undergraduate students